

ERA	System and Series		Lithostratigraphic units of Love et al. (1993) in Bighorn Basin and Owl Creek and Bighorn Mountains		Hydrogeologic division of Lowry et al. (1976)	Hydrogeologic unit of Libra et al. (1981)	Hydrogeologic unit of Western Water Consultants, Inc. (1982a,b) and Doremus (1986)	Hydrogeologic unit of Western Water Consultants, Inc. (1983b)	Hydrogeologic unit of Cooley (1984, 1986)	Hydrogeologic unit of Jarvis (1986a) and Spencer (1986a)	Hydrogeologic unit of Wyoming Statewide Framework Plan (WWC Engineering et al., 2007, fig. 4-9)	Hydrogeologic unit used in this report			
CENOZOIC	Quaternary	Holocene and Pleistocene	Quaternary alluvium, terrace deposits, and glacial deposits		1	Major aquifer	Principal aquifers		Secondary aquifer		Major aquifer	Alluvial aquifers, terrace-deposit aquifers, and glacial-deposit aquifers			
		Pliocene <sup>1</sup>													
	Tertiary	Miocene	Lower Miocene and Oligocene rocks <sup>2</sup>		2	Units not present and (or) discussed in study									
		Oligocene	White River Formation								Marginal aquifer	White River aquifer			
		Eocene	Wapiti Formation <sup>2</sup>	Aycross Formation <sup>2</sup>							Wagon Bed Formation-marginal aquifer	Wagon Bed confining unit			
			Tatman Formation <sup>2</sup>												
			Willwood Formation												
	Paleocene	Fort Union Formation		Upper Cretaceous	Upper Cretaceous/Tertiary aquifer system	AQUIFER/DISCONTINUOUS AQUIFERS AND CONFINING UNITS	Secondary aquifer								
	Lance Formation						Secondary aquifer								
	Meetetse Formation	Lewis Shale	Secondary aquifer												
	Teapot Sandstone Member						Secondary aquifer								
	Mesaverde Formation						Secondary aquifer								
	Eagle Sandstone					AQUIFER/DISCONTINUOUS AQUIFERS AND CONFINING UNITS	Secondary aquifer								
	Cody Shale						Secondary aquifer								
	Frontier Formation						Secondary aquifer								
	Mowry Shale						Secondary aquifer								
	"Dakota Sandstone"						Secondary aquifer								
	Lower Cretaceous					AQUIFERS AND CONFINING UNITS	Secondary aquifer								
	Cloverly Formation						Secondary aquifer								
	"Lakota Sandstone"						Secondary aquifer								
	Upper Jurassic						Secondary aquifer								
	Middle Jurassic						Secondary aquifer								
	Jurassic(?) and Triassic(?)		Nugget Sandstone		UPPER PALEOZOIC—LOWER AND MIDDLE MESOZOIC AQUIFERS AND CONFINING UNITS	AQUIFERS AND CONFINING UNITS	Secondary aquifer								
	Triassic	Upper Triassic	Morrison Formation				Secondary aquifer								
			Sundance Formation				Secondary aquifer								
			Gypsum Spring Formation				Secondary aquifer								
			? Nugget?				Secondary aquifer								
	Lower Triassic	Chugwater Group or Formation	Minor aquifer and (or) local confining unit				Secondary aquifer								
			Red Peak Formation or Member				Secondary aquifer								
	Permian	Dinwoody Formation	Dinwoody Formation				Secondary aquifer								
			Goose Egg Formation				Secondary aquifer								
	Pennsylvanian	Phosphoria Formation and related rocks (Park City Fm)	Possible uppermost Minnelusa Formation <sup>2</sup>			PALEOZOIC AQUIFERS AND CONFINING UNITS	Secondary aquifer								
			Tensleep Sandstone				Secondary aquifer								
	Mississippian	Amsden Formation	Ranchester Limestone Member				Secondary aquifer								
			Horseshoe Shale Member				Secondary aquifer								
	Devonian	Darby Formation	Darwin Ss Mbr				Secondary aquifer								
			Three Forks Formation				Secondary aquifer								
	Silurian <sup>6</sup>	Beartooth Butte Formation <sup>2</sup>	Jefferson Formation				Secondary aquifer								
			Bighorn Dolomite				Secondary aquifer								
	Ordovician	Upper Ordovician	Gallatin Limestone and equivalent				Secondary aquifer								
			Gros Ventre Formation and equivalent				Secondary aquifer								
	Cambrian	Flathead Sandstone	Flathead Sandstone				Secondary aquifer								
			Major aquifer (Flathead aquifer)				Secondary aquifer								
PALAEZOIC	Precambrian		Precambrian rocks		7	PALEOZOIC AQUIFER SYSTEM	Regional aquitard	Major regional confining unit			Leaky confining units		Confining unit (Gallatin-Gros Ventre confining unit)	Major aquitard	

<sup>1</sup>Pliocene rocks not present in Bighorn Basin.